

## AMENDMENTS TO THE CLAIMS

1. (currently amended) An integrated anastomosis tool for forming an opening in a target vessel and connecting a graft vessel to the target vessel, the device comprising:

a substantially hollow chamber and an introducer positioned at a distal end of the chamber and having a lumen open to the chamber, the introducer configured to substantially seal against the target vessel, whereby the chamber substantially maintains hemostasis;

a cutting device movably attached to the tool body and configured to form the opening in the target vessel; and

a graft vessel attachment device movably attached to the tool body and configured to connect the graft vessel to the target vessel;

wherein the cutting device is movable both longitudinally and transversely, and wherein the cutting device is movable to a position within the chamber, and remains at a position within the chamber, after forming the opening in the target vessel.

2. (original) The integrated anastomosis tool of claim 1, wherein the introducer is splittable.

3. (currently amended) A device for forming an opening in a target vessel and delivering an implantable anastomosis device to connect a graft vessel to the target vessel, the device comprising:

a tool body having a lumen;

a cutting device configured to form the opening in the target vessel, the cutting device being movable at least partially within the lumen, and the cutting device defining a longitudinal axis when the cutting device is positioned to form the opening in the target vessel; and

a graft vessel attachment device movable at least partially within the lumen for delivering the implantable anastomosis device to the target vessel to connect the graft vessel to the target vessel;

wherein the cutting device is movable both longitudinally along and away from the axial centerline of the lumen the longitudinal axis after forming the opening in the target vessel.

4. (original) The device of claim 3, wherein the cutting device includes a substantially circular cutting element.
5. (original) The device of claim 3, wherein the cutting device includes an auger.
6. (original) The device of claim 3, wherein both the graft vessel attachment device and the cutting device are contained within the tool body simultaneously.
7. (original) The device of claim 3, further comprising an introducer connected to the tool body, the introducer having a lumen substantially coaxial with the lumen of the tool body.
8. (previously presented) The device of claim 3, wherein the tool body includes an off-axis area defined therein; and wherein the cutting device is configured to move away from the axial centerline of the lumen into the off-axis area.
- 9-11. (canceled)

12. (currently amended) A device for forming an opening in a target vessel, delivering an implantable anastomosis device to the target vessel, and connecting a graft vessel to the target vessel, the device comprising:

a substantially hollow chamber and an introducer positioned at a distal end of the chamber and having a lumen open to the chamber, the introducer configured to substantially seal against the target vessel, whereby the chamber substantially maintains hemostasis;

a cutting device configured to form the opening in the target vessel; and

a graft vessel attachment device configured to deliver and deploy the implantable anastomosis device to connect the graft vessel and the target vessel; and

~~a single control operationally connected to both the cutting device and the graft vessel attachment device;~~

wherein the cutting device and the graft vessel attachment device are mechanically linked to sequentially pass the cutting device and the graft vessel attachment device through a particular point in proximity to an anastomosis site ~~in response to actuation of the single control;~~ and wherein the cutting device moves to a position within the chamber, and remains at a position within the chamber, after forming the opening in the target vessel.

13. (original) The device of claim 12, wherein the device is configured to form the opening without passing the cutting device or the graft vessel attachment device through a lumen of the graft vessel.

14. (previously presented) The device of claim 12, wherein the device delivers and deploys the implantable anastomosis device without passing the cutting device or the graft vessel attachment device through a lumen of the graft vessel.

15-20. (canceled)

21. (currently amended) The anastomosis tool of ~~claim 9~~ claim 1, further comprising a wherein the introducer is pivotable ~~introducer connected to the distal end of the tool body, wherein the~~ aperture is located in the introducer.